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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834,287	04/12/2001	Peter Sebastian Gargone	3984	4230

7590   05/19/2004

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EXAMINER
HEWITT II, CALVIN L

ART UNIT	PAPER NUMBER
3621	

DATE MAILED: 05/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.		Applicant(s)	
	09/834,287		GARGONE, PETER SEBASTIAN	
Office Action Summary	Examiner		Art Unit	
	Calvin L Hewitt II		3621	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 April 2001*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-76* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-76* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All   b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

Status of Claims

1.   Claims 1-76 have been examined.

Claim Rejections - 35 USC § 112

2.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3.   Claims 6, 19, and 71-76 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4.   Claim 6 recites the limitation "the processed information" in line 8. Claims 19 and 71-76 recite similar limitations. There is insufficient antecedent basis for this limitation in the claims.

Claim Rejections - 35 USC § 102

5.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless —

> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6.   Claims 1-13, 19-31, 37-48, 54-65 and 71-76 are rejected under 35

U.S.C. 102(b) as being clearly anticipated by Beattie et al., U.S. Patent No.

5,659,742.

As per claims 1-5, 7-11, 20-29, 37-46, and 54-63, Beattie et al. teach a

method for performing a business function in an object architecture comprising

the utilization of a memory unit and processing unit for (figures 1-3):

- utilizing configuration information (query rules) for directing at least

  one process (search) to perform a business function or

  reconciliation (accessing content) (figures 1, 2, 5A, 6B-7B)

- utilizing a reference library (content database) for defining data

  external to the object architecture (user computer) and supporting

  said configuration information (figures 1, 3, 5)

- interfacing said at least one process (search) associated with the

  object architecture with at least one in-memory object (content)

  (figures 2 and 3)

- utilizing at least one data storage object (user computer memory)

  for preserving (storing) the data affected by said at least one

  process (search) (figures 3-4A)

The reference library of Beattie et al. also comprises at least one business

process configuration object (that directs at least one process- a search- in

conjunction with a data definition object created by specifying source information

for said data), for managing said configuring information and at least one data

definition object for managing the definition of the data external to the object

architecture. In order for the query (configuration information) to retrieve content

stored in the database (figures 1-5) the database must be in such a form (i.e.

defined) to allow query to identify the content that matches the query.

As per claims 6, 19, and 71-76, Beattie et al. teach creating a library of

objects (figures 1-3), receiving data based on the objects (search- figure 2),

decomposing said data based on the configuration objects (converting the

natural language search into language the computer can understand-figure 2),

interpreting the data source objects (accessing the content- figure 2), performing

at least one business function on the received data (providing the service of

retrieving content (figure 3) and returning the results of the processed information

(figure 2).

As per claims 12, 13, 30, 31, 47, 48, 64, and 65, Beattie et al. teach a

method for monitoring data integrity in a computing system comprising the

utilization of a memory unit and processing unit for (figures 1-3):

- analyzing data from a plurality of sources (search) (figures 1-4A)

- configuring the computing system (computer with a browser) to support

    data reconciliation (data presentation) for said data, said configuring

    based on the data analysis (browser's look is a function of the query)

    (figure 4A)

- reconciling data from said plurality of sources based on information

  obtained during configuring (presenting search results) (figure 4A)

- obtaining data from a plurality of sources for said at least one data

  integrity control (figures 2 and 4A)

In order for the search to retrieve content stored in the database (figures

1-5) the database must be in such a form (i.e. defined) to allow query to identify

the content that matches the query. Similarly, the search utilizes integrity control

in order to process the natural language query (figure 2) into computer

understandable language. Wherein the integrity control is based on the query

(figure 4A).

Claim Rejections - 35 USC § 103

7.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for

all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set
forth in section 102 of this title, if the differences between the subject matter sought to be patented and
the prior art are such that the subject matter as a whole would have been obvious at the time the
invention was made to a person having ordinary skill in the art to which said subject matter pertains.
Patentability shall not be negatived by the manner in which the invention was made.

8.   Claims 14-18, 32-36, 49-53, and 66-70 are rejected under 35 U.S.C.

103(a) as being unpatentable over Beattie et al., U.S. Patent No. 5,659,742 in

view of Bharat et al., U.S. Patent No. 6,286,006.

As per claims 14-18, 32-36, 49-53, and 66-70, Beattie et al. teach a

method for monitoring data integrity in a computing system comprising the use of

integrity control for obtaining data from a plurality of sources (figure 4A). Beattie

et al. teach a query method that utilizes decomposition and matching of data

(figure 2). Beattie et al. also integrity control for updating information in said

plurality of data sources (figures 5 and 6; column 18, lines 3-10). However,

Beattie et al. do not specifically recite identifying inconsistencies in data obtained

from a plurality of data sources. Bharat et al. teach a method and system for

identifying inconsistencies in search results by identifying "broken links" in search

results replacing those links with similar links (corrective actions) and transmitting

information related to said correction to an individual (figure 3d; column 6, lines

12-31). Further, Beattie et al. teach transmitting information that relates to

integrity control information such as document maintenance information ('742,

figure 5) or accounting information ('742, figure 13) hence, corrective actions

('006, figure 3d) would not prevent this process from occurring. Therefore, it

would have been obvious to one of ordinary skill to combine the teachings of

Beattie et al. and Bharat et al. in order to provide users with better search results.

Conclusion

9. The prior art made of record and not relied upon is considered pertinent to

applicant's disclosure:

- Smith et al. teach a method and system for better construing a user

    query

- Bennett et al. an improved method for storing data in relational

    database

10. Any inquiry concerning this communication or earlier communications from

the Examiner should be directed to Calvin Loyd Hewitt II whose telephone

number is (703) 308-8057. The Examiner can normally be reached on Monday-

Friday from 8:30 AM-5:00 PM.

If attempts to reach the Examiner by telephone are unsuccessful, the

Examiner's supervisor, James P. Trammell, can be reached at (703) 305-9768.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

c/o Technology Center 2100

Washington, D.C. 20231

or faxed to:

(703) 305-7687 (for formal communications intended for entry and

after-final communications),

or:

(703) 746-5532 (for informal or draft communications, please label

"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park 5,

2451 Crystal Drive, 7th Floor Receptionist.

Any inquiry of a general nature or relating to the status of this application

should be directed to the Group receptionist whose telephone number is (703)

308-1113.

Calvin Loyd Hewitt II

May 16, 2004

JAMES P. TRAMMELL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3600